BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Additional fund for R.K Hegadenagara samudaya Bhavana to extend compound Wall and Grills in ward No.06, Byatarayanapura sub Division**

Estimated Cost : **80.00 Lakhs**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work : Additional fund for R.K Hegadenagara samudaya Bhavana to extend compound Wall and Grills in ward No.06, Byatarayanapura sub Division

								Estimated Cost :		8000000.00
Sl. No.	Description of work	Unit	Measurements					Qty	Rate	Amount
			No	L	B	D				
1	KSRRB 300-1. **Earth work excavation by manual means in Ordinary Soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ **It No 19.1/ PWD SR 2018-19**	cum								
	For drain desilting									
	Drain		2x2	225.00	0.50	0.45		202.50		
	Removing additional earth		2x2	225.00	1.55	0.30		418.50		
	Culverts		4	9.00	2.00	1.00		72.00		
	For Chainlink Fencing		12	0.60	0.60	0.60		2.59		
								695.59	137.80	**95853.00**
	Basic Rate	130.00								
	Area Weightage @ 6%	7.80								
	Total	**137.80**								
2	**Removing & Refixing stone slabs of drains** and pointing in C.M (1:3) P.No. 27/ Item No. 5.33 / PWD SR 2018-19	sqm								
			2x2	225.00	1.35			1215.00		
	deduct misssing /broken slabs 30 %							**364.50**		
						Net		**850.50**	111.30	**94661.00**
	Basic Rate	**105.00**								
	Area Weightage @ 6%	6.30								
	Total	**111.30**								
3	**Providing granite slabs of selected quality** roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.- do - 7.5 cms thick complete.P.No. 27/ Item No. 5.31.1 / PWD SR 2018-19	sqm								
	missing slabs of drain		qty 30% of It 2 (b)					**364.50**		
								364.50	742.00	**270459.00**
	Basic Rate	**700.00**								
	Area Weightage @ 6%	42.00								
	Total	**742.00**								
4	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6 with OPC @ 20kgs, with crushed 40mm and down** size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 **Page No. 222 / It No. 27.18/ PWD SR 2018-19**	Cum								

	for flagging course		2x4	225.00	0.30	0.15	81.00		
	for kerbs		2x2	225.00	0.30	0.15	81.00		
	For culverts		4	9.00	2.00	0.15	10.80		
	For Chainlink Fencing		12	0.60	0.60	0.60	2.59		
							175.39	5421.90	**950958.00**
	Basic Rate	5115.00							
	Area Weightage @ 6%	306.90							
	Total	5421.90							
5	KSRB 5.3-3 **Providing and constructing granite / trap / basalt size stone** masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 25/ It No. 5.9/ PWD SR 2018-19**	Cum							
	For Culverts		8	9.00	0.60	0.80	34.56		
							34.56	5811.98	**200862.00**
	Basic Rate	5483.00							
	Area Weightage @ 6%	328.98							
	Total	5811.98							
6	KSRB 5-14: **Providing and constructing load bearing wall with solid concrete blocks** having block density not less than 800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications . KBS No.5.4 - do - with **solid concrete blocks of size 400x150x200mm** Page No. 2 7/ It No. 5.26.2 / PWD SR 2018-19	**sqm**							
	for drain flagging course		4x2	225.00		0.60	1080.00		
							1080.00	979.44	**1057795.00**
	Basic Rate	**924.00**							
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
7	KSRRB M 1200-15.2: **Plain / Reinforced cement concrete M20 with** OPC Cement @ 320kgs, with 20mm and down size graded granite metal coars aggreagates @0.69 cum and fine aggreagates @ 0.46 cum, with superplastiser@ 3lts confirming to IS9103 - 1999 Reaffirmed -2008, in open foundation complete as per drawing and technical specifications case-II, with batching plant transist mixer and concrete MORTH specification No. 1500, 1700 & 2100,/P No. 222/ Item No. 27.27/ PWD SR 2018-19	cum							
	for flagging course		8	225.00	0.15	0.10	27.00		
	for drain vent		4	225.00	0.45	0.10	40.50		
	Culverts coping		4	9.00	1.80	0.15	9.72		
							77.22	5148.42	**397561.00**
	Basic Rate	4857.00							
	Area Weightage @ 6%	291.42							
	Total	5148.42							

8	KSRB 15.1.3: **Providing FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20 mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19	Sqm							
	Culverts		8	9.00		0.60	43.20		
							43.20	149.46	**6457.00**
	Basic Rate	**211.00**							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
9	**Providing and fixing pre cast solid cement concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mmrespectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of achinery, loading, unloading, lead and lift, transportation etc., complete.**Page No. 27 Item No. 5.30/ PWD SR 2018-19**	Nos							
			2x2	225.00			900.00		
							900.00		
				Nof kerbs = 160/.045			**2000.00**	432.48	**864960.00**
	Basic Rate	408.00							
	Area Weightage @ 6%	24.48							
	Total	432.48							
10	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2018-19	**Sqm**							
	Kerb Stone Painting		2X2	225.00		0.30	**270.00**		
							270.00	**53.00**	**14310.00**
	Basic Rate	50.00							
	Area Weightage @ 6%	3.00							
	Total	**53.00**							
11	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2018-19								
			2X2	225.00		0.30	270.00		
							270.00	**102.82**	**27761.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							

12	**Providing and fixing RCC precast cover slab of 100mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm							
	For RCC Drain		2x2	225.00	0.90		810.00		
	missing slabs		2	21.00	0.90		37.80		
			2	20.00	0.90		36.00		
	Data Rate	**2337.00**					**883.80**	2337.00	**2065441.00**
13	**Providing and fixing RCC precast cover slab of 250mm thick** made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm							
	For Culverts		4	9.00	1.50		54.00		
							54.00	5418.00	**292572.00**
	Data Rate	**5418.00**							
14	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification..Page No. 44 Item No. 7.36/ PWD SR 2018-19	Sqm							
			1	46.45		0.60	27.87		
			1	53.20		0.60	31.92		
			1	15.10		0.60	9.06		
			1	11.40		0.60	6.84		
							75.69	5691.14	**430762.00**
	Basic Rate	5369.00							
	Area Weightage @ 6%	322.14							
	Total	**5691.14**							
15	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.Page No. 123 Item No. 15.75/ PWD SR 2018-19	Sqm							
			2	46.45		0.60	55.74		
			2	53.20		0.60	63.84		
			2	15.10		0.60	18.12		

			2	11.40		0.60	13.68		
							151.38	64.66	**9788.00**
	Basic Rate	61.00							
	Area Weightage @ 6%	3.66							
	Total	**64.66**							
16	Supplying and fixing M.S rectangular poles made out of 2 equal angles of 65x656 mm welded together and fixed in CC (1:2:4) with 2 NOS 16 mm dia, M.S hold fast rods each of length 25 cms, including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete), No.266/ Item No. 37.2 PWD SR 2018-19	m							
			16			1.80	**28.80**	910.54	**26224.00**
	Basic Rate	859.00							
	Area Weightage @ 6%	51.54							
	Total	**910.54**							
17	Providing and fixing M.S. Block pipe of 38 mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint, No. 266 Item No. 37.4 PWD SR 2018-19	m							
			3	40.00			120.00		
							120.00	432.48	**51898.00**
	Basic Rate	408.00							
	Area Weightage @ 6%	24.48							
	Total	**432.48**							
18	Providing chain link fencing 50 mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall bed welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the engineer – in charge of work including two coats of approved quality paint over one coat of shop paint, No. 266/ Item No. 37.3 PWD SR 2018-19	Sqm							
			1	40.00		1.80	72.00		
							72.00	757.90	**54569.00**
	Basic Rate	715.00							
	Area Weightage @ 6%	42.90							
	Total	**757.90**							

19	KSRRB M100-2. **Loading and Unloading** of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum							
			Qty Vide Item No.				695.59		
							1400.00	73.99	103583.00
	Basic Rate	57.00							
	Lead for 5km	12.80							
		69.80							
	add aw @ 6%	4.19							
		73.99							
							Sub Total		7016474.00
20	For 12% Applicable GST								841977.00
21	Add 1% for DPR								70165.00
22	Add 1% for PMC								70165.00
23	Miscesallaneous Charges	L/S							1219.00
							Grand Total		8000000.00
	(Rs Eighty lakhs only)								

CERTIFICATE

1 *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2 *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2018-19*
3 *Certified that Adequate & necessary provisions have made in the estimate.*
4 *Certified that the above area comes under BBMP limit*
5 *This Work is not included in any other work taken up*

Assistant Engineer
Ward No. 06

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-Z4

ADMINISTRATIVE APPROVAL
Accorded For Rs. 80.00 Lakhs only
Head of A/c. P3727
Div. Ref. No. 60 Date 05/02/2020
EE(BTP)
AE

Technical Sanction
Accorded For ...80.00 Lakh
Head of A/C....P3727....
CER NO :...222..... Dt1.1/02.2020
TA — CE (YNK)

NAME of WORK :- Additional Found For R.K.Hegdenagara Samudaya Bhavana to extend Compound Wall and Grills in Ward No.06,Byatarayanapura Sub Division

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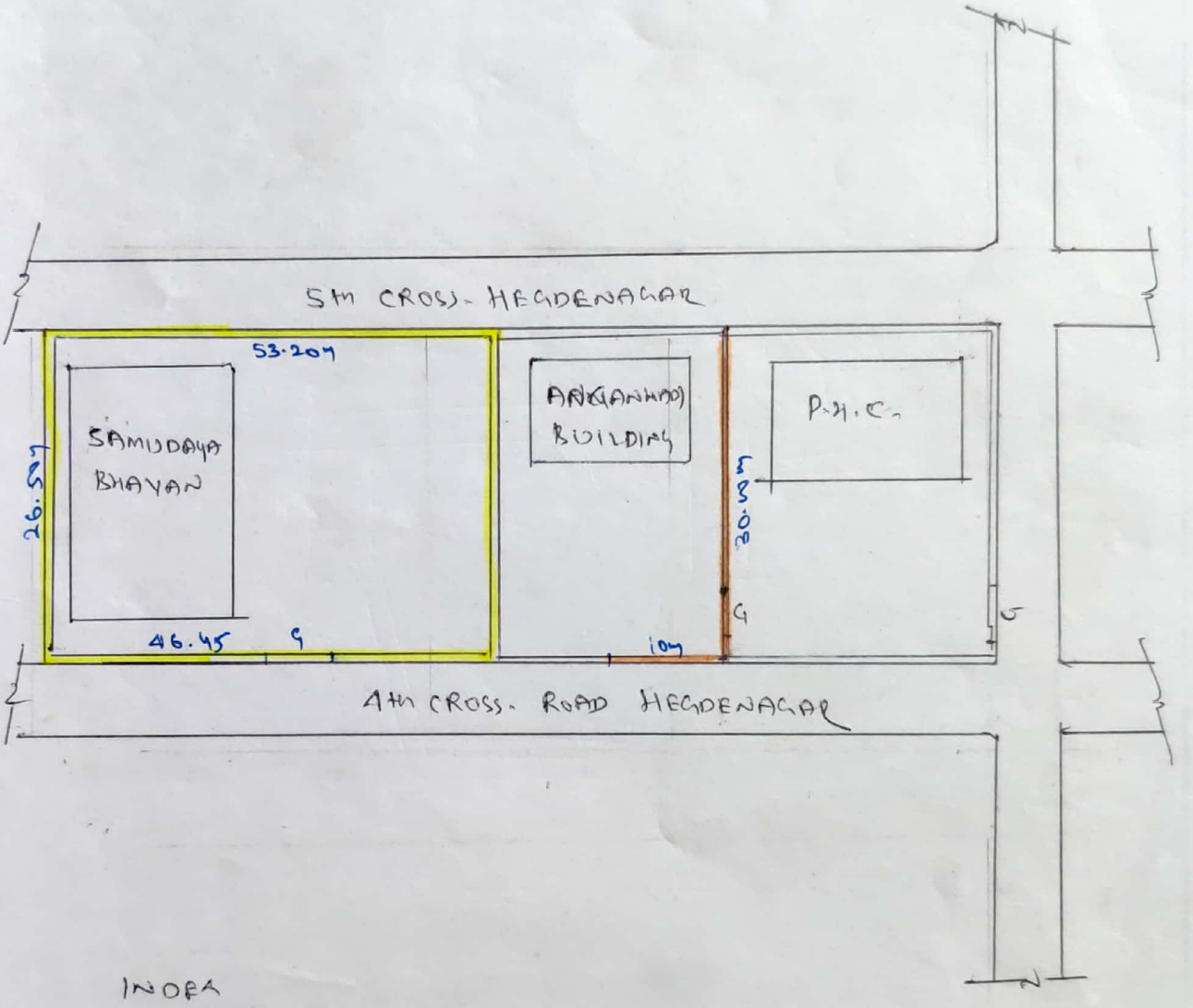

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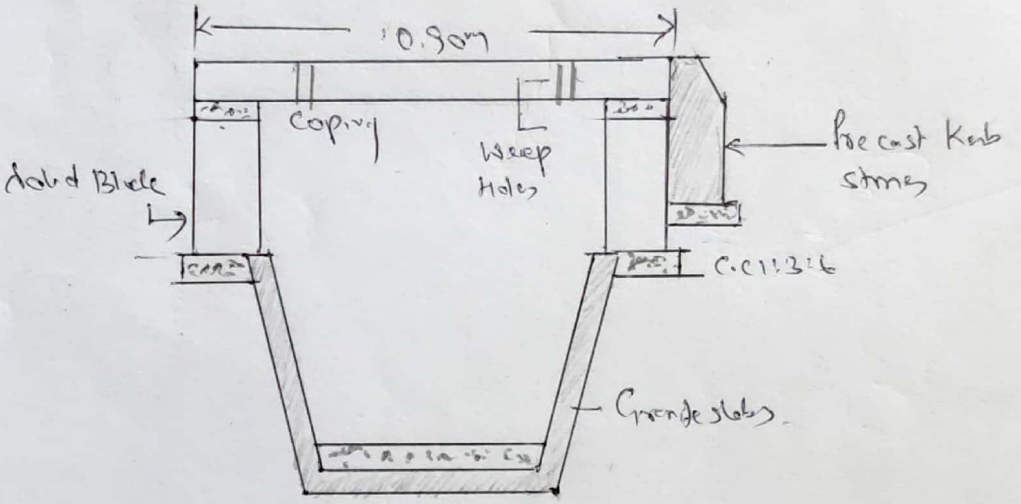
providing Grill over Compound wall

providing chainlink fencing

Assistant Engineer
Ward no 06

Assistant Executive Engineer
Byatarayanpura Sub Division

NAME of WORK :- Additional Found For R.K.Hegdenagara Samudaya Bhavana to extend Compound Wall and Grills in Ward No.06,Byatarayanapura Sub Division



CROSS-SECTION of Drain

Assistant Engineer
Ward no 06

Assistant Executive Engineer
Byatarayanpura Sub Division

Name of Work: Additional fund for R.K Hegadenagara samudaya Bhavana to extend compound Wall and Grills in ward No.06, Byatarayanapura sub Division

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

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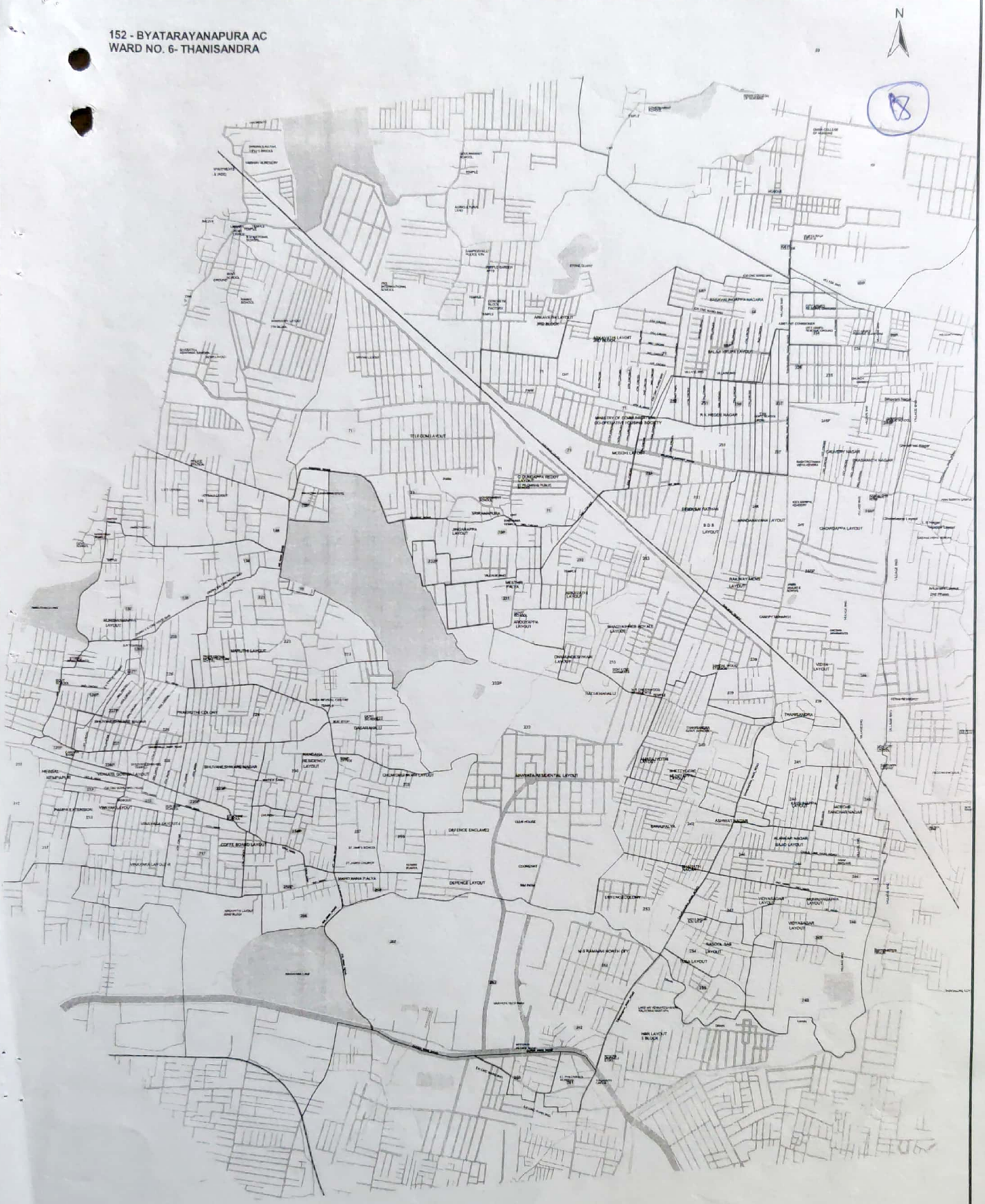
WARD NO. 6- THANISANDRA



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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24